



THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: )  
J. C. Cheng et al )  
Confirmation No. 2046 )  
Serial No. 09/619,560 )  
Filed: July 19, 2000 )  
For: ALKYLAROMATICS PRODUCTION )

Examiner: W.D. Griffin

Group Art Unit: 1764

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W/G

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AMENDMENT

ATT: BOX AF  
Assistant Commissioner for Patents  
Washington, D.C. 20231

In response to the Examiner's final rejection mailed November 28, 2002,  
please amend the claims as follows and consider the ensuing remarks below.

For the purpose of placing the above-identified patent application in  
condition for allowance, please amend the application as follows:

IN THE CLAIMS:

Please substitute the existing claims 1, 2, 10, 15 and 19 with the following  
amended claims 1, 2, 10, 15 and 19:

1. (Amended) A process for producing a monoalkylated aromatic compound comprising the step of contacting a polyalkylated aromatic compound with an alkylatable aromatic compound under at least partial liquid phase conditions and in the presence of a transalkylation catalyst to produce a monoalkylated aromatic compound, wherein the transalkylation catalyst comprises a mixture of at least:
- (i) a first crystalline molecular sieve having a X-ray diffraction pattern including d-spacing maxima at  $12.4 \pm 0.25$ ,  $6.9 \pm 0.15$ ,  $3.57 \pm 0.07$  and  $3.42 \pm 0.07$  Angstrom; and
  - (ii) a second crystalline molecular sieve different from the first molecular sieve and selected from zeolite beta, zeolite Y and mordenite.